

Duke Energy Florida Clean Energy Connection Program

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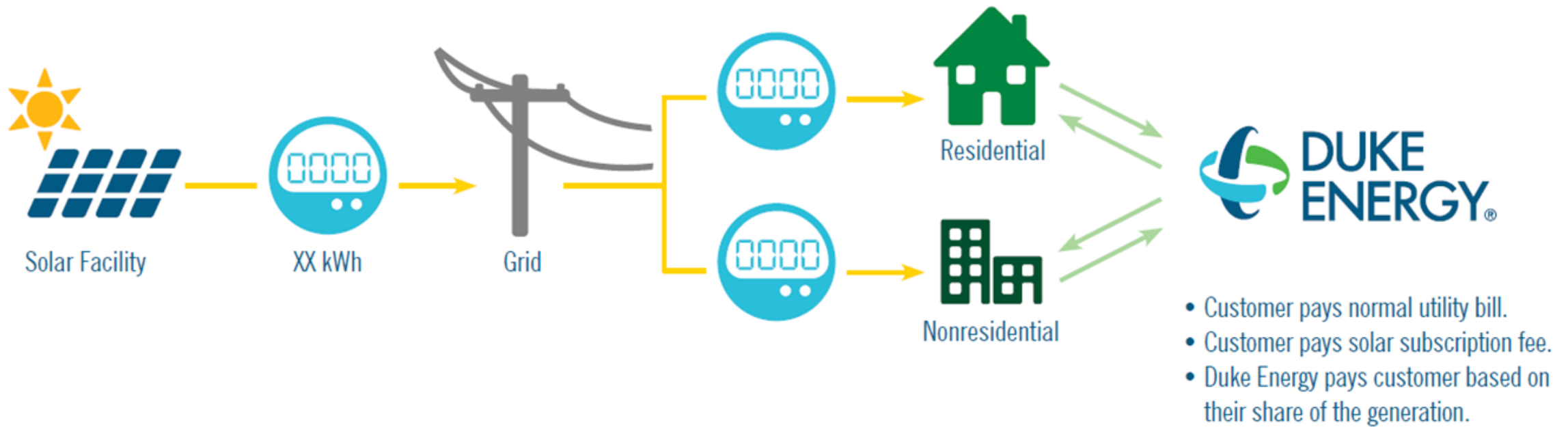
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Our Vision: To Be the Standard for Public Service in America



Clean Energy Connection (CEC) Overview



CEC Overview

- The County has enrolled into the program and can purchase enough solar energy to offset 40% of its total annual energy consumption.
- Now that Duke has confirmed a subscription size, we will enter into the contracting phase of the program, which will conclude in 2021.
- Will be charged monthly fee but offset with credit
- The program will be at 20% capacity in 2022 and 100% in 2024, once all ten solar energy plants are constructed.
- Payback anticipated within approximately 5-7 years



Overall Power Allocations



Customer Type	Percent Allocation	Capacity Available	Subscription Window
Large Commercial and Industrial	65%	488 MW	May 11 th - June 5 th
Local Governments	10%	75 MW	May 11 th - Aug 31 st
Residential and Small Business Customers	21.5%	161 MW	Q4 2021 / Q1 2022
Low Income Customers	3.5%	26 MW	Q4 2021 / Q1 2022



Subscription Scenario @ 27.3 MW



	Subscription kW	Annual Fee	Credit Rate	Annual Credit \$	Net
2022	5,458 (20%)	(\$546,952)	\$0.040370	\$540,508	(\$6,444)
2023	16,375 (60%)	(\$1,640,855)	\$0.040370	\$1,618,824	(\$22,031)
2024	27,293 (100%)	(\$2,734,759)	\$0.040370	\$2,699,118	(\$35,641)
2025	27,293	(\$2,734,759)	\$0.040980	\$2,718,754	(\$16,005)
2026	27,293	(\$2,734,759)	\$0.041590	\$2,745,428	\$10,669
2027	27,293	(\$2,734,759)	\$0.042210	\$2,772,423	\$37,664
2051	27,293	(\$2,734,759)	\$0.060320	\$3,512,848	\$778,090



Residential & Small Business Program

- 187 MW = 25% total Program capacity allocation
 - Normal rate structure
- 26 MW = 3.5% total Program capacity set aside for low-income residents
 - Monthly subscription fee = \$8.35/kW
 - Monthly credit rate = \$9.03/kW
 - Immediate savings of \$0.68/kW
 - Must show proof of participation in any federal, state or local gov subsidy program
- Marketing: Duke will send mail, emails, and information within bills
 - “Intends to send postcard to every DEF customer that makes under \$40k”
 - Duke welcomes local governmental and non-profit outreach support

Net Positive Impacts

- ✓ Aligns with Strategic Plan
- ✓ Off-sets a portion of County's carbon footprint
- ✓ Jump-starts carbon reduction goals from the Sustainability and Resiliency Action Plan
- ✓ Complements existing energy efficiency measures
- ✓ Builds the County's alternative energy portfolio
- ✓ Supports clean energy locally and regionally

